



VERSION WITH MARKINGS TO SHOW CHANGES MADE

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Examiner: Sandra L. Wegert

For: CHOLESTEROL TRANSPORT GENE

File No.: 960296.96668

In the specification:

Please replace the section of "Predicted external domains of ABC1" (lines 6-19) on page 9 of the application with the following:

**--Predicted external domains of ABC1**

TM1-TM2 (SEQ ID NO:3): 663 KEARLKETMRIMGLDNSI 680

TM3-TM4 (SEQ ID NO:4): 740 FSRAN 744

TM5-TM6 (SEQ ID NO:5): 795 ALFEEQGIGVQWDNLFESPVEEDGFN 820

TM7-TM8 1371

(SEQ ID NO:6):

FGKYPSLELQPWMYNEQYTFVSNDAPEDTGTLELLNALTKDPGFGTR  
CMEGNPIPDTPCQAGEEEWTTAPVPQTIMDLFQNGNWTMQNPSPACQ  
CSSDKIKKMLPVCPPGAGGLPPPQRKQNTADILQDLTGRNISDYL VKT  
YVQIIAKSLKNKIWVNEFRYGGFSLGVSNTQALPPSQEVNDAIKQMKK  
HLKLAKDSSADRFLNSLGRFMTGLDTRNNVKVWFNNKGWHAISSFLN  
VINNAILRANLQKGENPSHYGITAFNHPLNLTKQQLSEVALMTTSVD  
1654

TM9-TM10 (SEQ ID NO:7): 1741 LLLLYGWSITPLMYPASFVFKIP 1763

TH11-TH12 (SEQ ID NO:8): 1823 VKNQAMADALERFGENRFVSPLSW

DLVGR 1851--

Please replace the paragraph starting with "As also shown in Fig. 1" (lines 15-25) on page 26 of the application with the following paragraph:

--As also shown in Fig. 1, RFLP analysis confirmed the presence of the WHAM mutation in genomic DNA. Genomic DNA from normal

and mutant homozygous male and hemizygous female chickens was amplified using PCR primers

forward:

5'-GTCACCTCCCAAACAAAGCTA-3' SEQ ID No[.]:9

reverse:

5'-ATGGACGCATTGAAGTTTCC-3' SEQ ID No[.]:10

flanking the WHAM mutation, then the PCR products digested with HinfI.

The WHAM alteration destroys a HinfI site, resulting in a 142 bp uncut fragment rather than the 106 bp and 36 bp fragments of normal chickens.

The chicken sex chromosomes of each bird tested are indicated below the photo; male chickens are ZZ, female chickens are ZW.--

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